

CM 2737M

# PATENT SPECIFICATION

DRAWINGS ATTACHED

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## COMPLETE SPECIFICATION

### Improvements in Sanitary Appliances

I, HOWELL DAVID of 26, Woodstock Road North, St. Albans, Hertfordshire, (British), do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to an improvement in the flushing cisterns of water closets and urinals as shown in Fig. 1 of the drawing filed with the provisional specification, by incorporating in the cover or the body of the flushing cistern of a means for deodorising the room using the rise and fall of the water in a 'plastic' tube "C" contained in the flushing cistern, by the action of flushing and refilling of the cistern, to displace air in the tube via a deodorant "B", thus expelling the deodorant into the air of the room through a perforated access cap "A".

In addition to the deodorising unit previously described, another access cap "D" has a suitable holder "E" secured to it for the purpose of attaching thereto a 'plastic' container "F" in which either a detergent, disinfectant, deodorant or any other like liquid can be contained for the purpose of conditioning the flush water and thus influencing the conditions in the water closet or urinals by a hygienic cleansing action at each use of the flushing cistern.

The 'plastic' container "F" is so manufactured that the pressure difference between the water and the air during flushing and refilling so affects the capacity of the container that it exudes a quantity of its contents into the flush water in the cistern through a suitable orifice "H" under the action of the water pressure "G", and on flushing when the cistern empties the container recovers its original capacity under the reduced pressure of the air, and thus refills with approximately

the same amount of water.

The operation of these units occurs at each flushing action with refilling of the cistern with water until the materials in the units are exhausted and can be replaced.

This invention covers the use of these respective units as an incorporated part of the cover or moulded into the body of the flushing cistern. These units can, however, be combined into one composite unit as shown in Fig. 2 for incorporation in the flushing cistern.

This invention thus covers the incorporation of these units either separately as depicted in Fig. 1 or as a composite unit as shown in Fig. 2, being hung or otherwise held in position in flushing cisterns as separate and distinct units.

#### WHAT I CLAIM IS:—

(1) A flushing cistern for a water-closet pan or urinal incorporating a unit from which air is displaced through a deodorant into the room with the fall and consequent rise of the water level during flushing and refilling, thus deodorizing the air in the room and also incorporating another unit in the shape of a 'plastic' container containing a suitable liquid, the container being so manufactured that the rise, succeeding the fall, of the water pressure alters the capacity of the container so that it exudes a quantity of its contents into the flush water, re-filling by approximately the same amount of water subsequently, and thus conditions the flushing water so as to improve the hygienic condition of the lavatory pan or urinal.

(2) A flushing cistern as claimed in claim 1, modified so that the two units are combined to form one unit to produce an action on flushing, which is a combination of the actions of the two units when separate.

H. DAVID.

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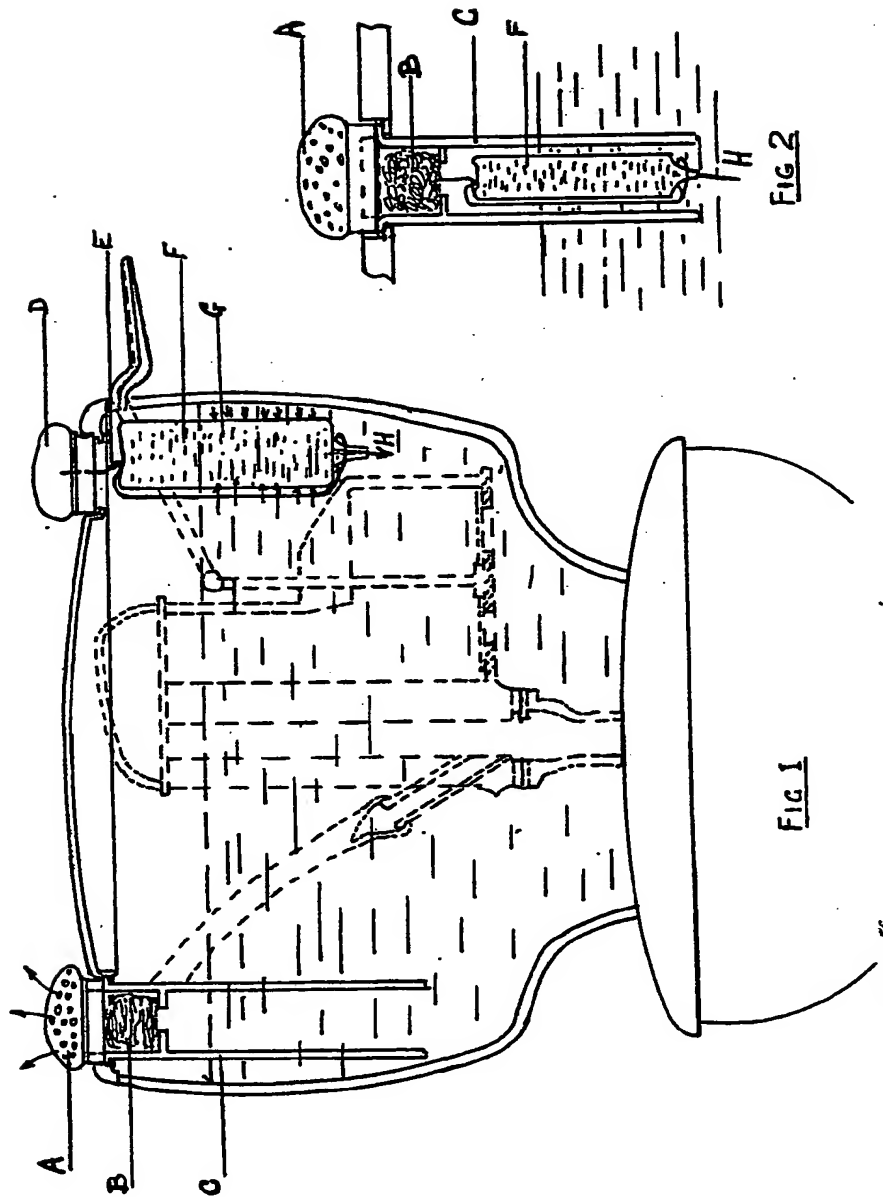
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PROVISIONAL SPECIFICATION

1 SHEET

*This drawing is a reproduction of  
the Original on a reduced scale*



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